# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 1231 | impedance near3 (lower$3 or reduc$4) same (antenna$2 or dipole$1) same (frequenc$3 or band$1 or broadband$1 or wideband$1 or bandwidth$2) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:25 |
| L2 | 610 | 1 and (rfid$2 or transponder$1 or backscatter$3 or back-scatter$4 or resona$4 near5 frequenc$3) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:06 |
| L3 | 165 | 2 and @ad<="19990902" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:06 |
| L4 | 396 | impedance near3 (lower$3 or reduc$4) near5 (section$1 or portion$1 or segment$1 or strip$1) and "39" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:07 |
| L5 | 21 | impedance near3 (lower$3 or reduc$4) near5 (section$1 or portion$1 or segment$1 or strip$1) and 3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:27 |
| L6 | 0 | 1 and edwin near3 holloway$1.xa, xp. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:24 |
| L7 | 0 | impedance near3 (lower$3 or reduc$4) same (antenna$2 or dipole$1 or microstrip$1) same (frequenc$3 or band$1 or broadband$1 or wideband$1 or bandwidth$2) and edwin near3 holloway.xa,xp. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:25 |

| L8 | 45 | "340"/$.ccls. and (rfid$2 or transponder$1) and (frequencies or band$1 or broadband$1 or wideband$1 or bandwidth$2) and edwin near3 holloway.xa,xp. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/24 00:24 |
|---|---|---|---|---|---|---|
| L9 | 0 | 8 and o'tool.inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:26 |
| L10 | 0 | 8 and "o'tool".inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:27 |
| L11 | 12 | 8 and "o'toole".inv. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:27 |
| L12 | 0 | impedance near3 (lower$3 or reduc$4) and 11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:28 |
| L13 | 0 | impedance near5 (lower$3 or reduc$4) and 11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/23 20:28 |
| L14 | 12 | ("3745569" | "4075632" | "4926182" | "4963887" | "5084699" | "5598169" | "5621412" | "5649296" | "5771021" | "5838235" | "5842118" | "6130602").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2006/12/23 20:53 |

| L20 | 22 | (microstrip$ or micro-strip$) and antenna$ same impedance$1 near5 (reduce$1 or reducing or reduction$1 or lower$4) and (band$1 or bandwidth$1 or frequencies) and (rfid$2 or transponder$1 or transceiver$1 or backscatter$3 or back-scatter$3 or back adj scatter$) and ("343"/$. ccls. or "340"/$.ccls.) and @ad<="19990902" | US-PGPUB; USPAT | OR | OFF | 2006/12/23 22:09 |
|---|---|---|---|---|---|---|
| L21 | 75 | antenna$ same impedance$1 near5 (reduce$1 or reducing or reduction$1 or lower$4) and (band$1 or bandwidth$1 or frequencies) and (rfid$2 or transponder$1 or transceiver$1 or backscatter$3 or back-scatter$3 or back adj scatter$) and ("343"/$. ccls. or "340"/$.ccls.) and @ad<="19990902" not 20 | US-PGPUB; USPAT | OR | OFF | 2006/12/23 22:10 |
| L22 | 3 | antenna$ same impedance$1 near5 (reduce$1 or reducing or reduction$1 or lower$4) and (band$1 or bandwidth$1 or frequencies) and (rfid$2 or transponder$1 or transceiver$1) and (backscatter$3 or back-scatter$3 or back adj scatter$) and ("343"/$.ccls. or "340"/$.ccls.) and @ad<="19990902" not 20 | US-PGPUB; USPAT | OR | OFF | 2006/12/23 22:17 |
| L23 | 3 | 22 not 5 not 8 | US-PGPUB; USPAT | OR | OFF | 2006/12/23 22:10 |
| L24 | 71 | antenna$ same impedance$1 near5 (reduce$1 or reducing or reduction$1 or lower$4) and (band$1 or bandwidth$1 or frequencies) and (rfid$2 or transponder$1 or transceiver$1) and ("343"/$.ccls. or "340"/$.ccls. ) and @ad<="19990902" not 20 not 23 | US-PGPUB; USPAT | OR | OFF | 2006/12/23 22:18 |

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| L25 | 13 | antenna$ same impedance$1 near5 (reduce$1 or reducing or reduction$1 or lower$4) near10 (segment$1 or portion$1 or section$1 or part$1 or patch) and (band$1 or bandwidth$1 or frequencies) and (rfid$2 or transponder$1 or transceiver$1) and ("343"/$.ccls. or "340"/$.ccls.) and @ad<="19990902" not 20 not 23 | US-PGPUB; USPAT | OR | OFF | 2006/12/23 22:22 |
|---|---|---|---|---|---|---|
| L26 | 0 | (dipole$1 or microstrip$ or micro-strip$ or micro adj strip$1 or antenna$) same impedance$1 near5 (reduce$1 or reducing or reduction$1 or lower$4) near10 (segment$1 or portion$1 or section$1 or part$1 or patch) and (band$1 or bandwidth$1 or frequencies) and (rfid$2 or transponder$1 or transceiver$1) and ("343"/$.ccls. or "340"/$.ccls.) and @ad<="19990902" not 20 not 23 not 25 | US-PGPUB; USPAT | OR | OFF | 2006/12/23 22:23 |
| L27 | 39 | (dipole$1 or microstrip$ or micro-strip$ or micro adj strip$1 or antenna$) same impedance$1 near5 (reduce$1 or reducing or reduction$1 or lower$4) near10 (segment$1 or portion$1 or section$1 or part$1 or patch) and (band$1 or bandwidth$1 or frequencies) and (rfid$2 or transponder$1 or transceiver$1 or (transmit$ and receiv$4)) and ("343"/$.ccls. or "340"/$.ccls. or "455"/$.ccls.) and @ad<="19990902" not 20 not 23 not 25 | US-PGPUB; USPAT | OR | OFF | 2006/12/23 23:00 |
| L28 | 8 | (("5491484") or ("5512910") or ("6184841") or ("5649296") or ("6215402") or ("6317027") or ("5320561") or ("5528222")).PN. | USPAT | OR | OFF | 2006/12/23 23:24 |
| L29 | 4 | 340/572.$.ccls. and lee near3 benjamin.xa,xp. and frequencies.ab. | USPAT | OR | OFF | 2006/12/23 23:25 |
| L30 | 718089 | 340/572.$.ccls. and lee near3 benjamin.xa,xp. and first near5 frequenc$ same second frequenc$3 not 29 | USPAT | OR | OFF | 2006/12/23 23:26 |

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|---|---|---|---|---|---|---|
| L31 | 24 | 340/572.$.ccls. and lee near3 benjamin.xa,xp. and first near5 frequenc$ same second near3 frequenc$3 not 29 | USPAT | OR | OFF | 2006/12/23 23:33 |
| L32 | 41 | 340/572.$.ccls. and lee near3 benjamin.xa,xp. and frequenc$3. ab. not 31 not 29 | USPAT | OR | OFF | 2006/12/23 23:28 |
| L33 | 100 | 340/572.$.ccls. and lee near3 benjamin.xa,xp. and frequenc$3 not 32 not 31 not 29 | USPAT | OR | OFF | 2006/12/23 23:30 |
| L34 | 134 | 340/572.$.ccls. and wu near3 daniel.xp. | USPAT | OR | OFF | 2006/12/23 23:31 |
| L35 | 38 | 34 and reflect$4 | USPAT | OR | OFF | 2006/12/23 23:31 |
| L36 | 49 | 340/572.$.ccls. and lee near3 benjamin.xa,xp. and reflect$ | USPAT | OR | OFF | 2006/12/23 23:35 |
| L37 | 2 | frequencies.ab. and lee near3 benjamin.xa,xp. and reflect$ and (transponder$1 or rfid$2) | USPAT | OR | OFF | 2006/12/23 23:37 |
| L38 | 0 | 37 and (backscatter$4 or back-scatter$) | USPAT | OR | OFF | 2006/12/23 23:37 |
| L39 | 1300 | (340/572.$.ccls. or "343"/$.ccls. or "455"/$.ccls.) and antenna$2 near15 dual near3 band$1 and (backscatter$4 or (transmit$4 and receiv$4) or transceiv$4 or rfid$2 or transponder$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/24 00:26 |
| L40 | 7 | 39 and backscatter$4 and (rfid$2 or transponder$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/12/24 00:26 |
| S1 | 1 | ("20040178912").PN. | US-PGPUB; USPAT | OR | OFF | 2006/12/21 19:38 |
| S2 | 1 | S1 and (frequenc$3 or simultaneous$ or band$1 or antenna$2) | US-PGPUB; USPAT | OR | OFF | 2006/12/21 19:41 |
| S3 | 1 | "6130602".pn. and (frequenc$3 or simultaneous$ or band$1 or antenna$2) | US-PGPUB; USPAT | OR | OFF | 2006/12/21 19:49 |
| S4 | 398 | impedance near5 (lower$3 or reduc$4) near15 (antenna$2 or dipole$1) same (frequenc$3 or band$1 or broadband$1 or wideband$1) and (340/572.7.ccls. or "343"/$.ccls. or "455"/$.ccls.) | US-PGPUB; USPAT | OR | OFF | 2006/12/21 19:50 |

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| S5 | 455 | impedance near5 (lower$3 or reduc$4) near15 (antenna$2 or dipole$1) same (frequenc$3 or band$1 or broadband$1 or wideband$1 or bandwidth$2) and (340/572.7.ccls. or "343"/$.ccls. or "455"/$.ccls.) | US-PGPUB; USPAT | OR | OFF | 2006/12/21 19:52 |
| S6 | 338 | S5 and (rfid$2 or transponder$1 or backscatter$3 or back-scatter$4 or resona$4) | US-PGPUB; USPAT | OR | OFF | 2006/12/21 19:52 |
| S7 | 285 | S5 and (rfid$2 or transponder$1 or backscatter$3 or back-scatter$4 or resona$4 near5 frequenc$3) | US-PGPUB; USPAT | OR | OFF | 2006/12/23 20:06 |
| S8 | 198 | impedance near3 (lower$3 or reduc$4) near15 (antenna$2 or dipole$1) same (frequenc$3 or band$1 or broadband$1 or wideband$1 or bandwidth$2) and S7 | US-PGPUB; USPAT | OR | OFF | 2006/12/23 20:05 |
| S9 | 70 | S8 and @ad<="19990902" | US-PGPUB; USPAT | OR | OFF | 2006/12/23 21:40 |
| S10 | 3 | S9 and (rfid$2 or transponder$1) and (backscatter$3 or back-scatter$4 or resona$4) | US-PGPUB; USPAT | OR | OFF | 2006/12/21 19:52 |
| S11 | 10 | impedance near3 (lower$3 or reduc$4) near5 (section$1 or portion$1 or segment$1 or strip$1) and S9 | US-PGPUB; USPAT | OR | OFF | 2006/12/23 20:07 |
| S12 | 10 | S11 not S10 | US-PGPUB; USPAT | OR | OFF | 2006/12/21 19:59 |